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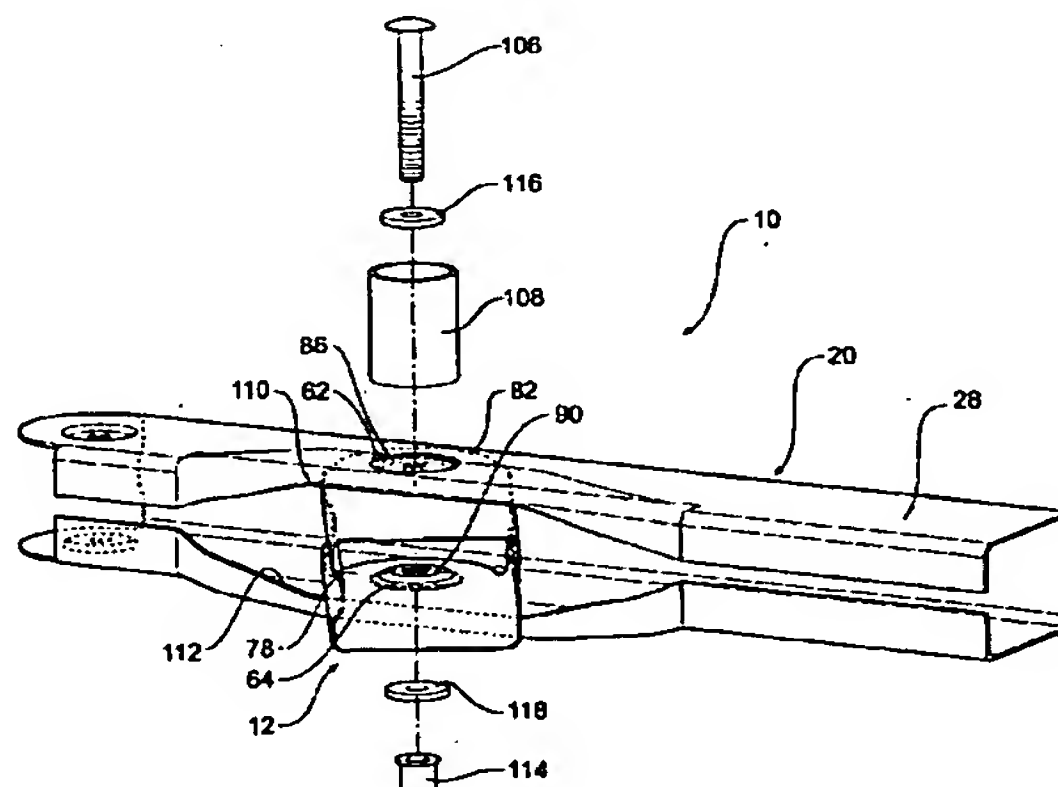
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(54) Title: METAL ROOF TRUSS CONNECTION



(57) Abstract: The present invention relates to a novel connection means between members of a metal roof truss, namely the connection between chord members (20,22,24) and stiffening members (12,14,16,18). Each member includes internally pressed circular sections (86,90) adapted to engage one another and thereby provide for a joint having greater shear strength than hitherto known joints. This is achieved because radial movement of the members is prevented. Each member includes two parallel side walls (28,30) adapted to engage one another, this further strengthening the joint in that there are two connecting surfaces, and located between each engaged walls is a cylindrical ferrule (108) adapted to prevent inward deflection of the walls when secured. The connection means of the present invention may also include a secondary strengthening means in the form of splayed upper edges (110,112) located on the chord members (20,22,24). The splayed edges (110,112) serve to grip the side walls of the stiffening members (12,14,16,18) when secured. The above features not only provide for a much stronger connection between the truss members but also simplify assembly of the roof truss in that once each member is secured at one end, the configuration of the connection means allows for the free end to be rotated until it is appropriately positioned to be mounted to a further member.

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